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Patent

Case No.: 58716US002

32692

Customer Number



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: ANDERSON, THOMAS J.  
Application No.: 10/740262 Group Art Unit: 1755  
Filed: December 18, 2003 Examiner: Unknown  
Title: ALUMINA-YTTRIA PARTICLES AND METHODS OF MAKING THE SAME

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

June 8, 2004  
Date

Lisa Hengen  
Signed by: Lisa Hengen

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

Respectfully submitted,

Date

June 3, 2004

By:

Gregory D. Allen

Gregory D. Allen, Reg. No.: 35,048

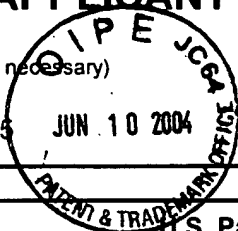
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Office of Intellectual Property Counsel  
3M Innovative Properties Company  
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 1 of 15



Application Number

10/740262

Filing Date

December 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

1755

Examiner Name

Attorney Case Number

58716US002

## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	A2	US- 906,339	12/08/1908	Tone	
	A3	US- 960,712	06/07/1910	Saunders	
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	A11	US- 1,257,356	02/26/1918	Hutchins	
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\*Examiner:

Date Considered:

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<b>Substitute for form 1449A/PTO (modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 2 of 15	<b>Application Number</b>	<b>10/740262</b>
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	A30	US- 3,181,939	05/04/1965	Marshall et al.	
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	A56	US- 4,194,887	03/25/1980	Ueltz et al.	

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	A58	US- 4,261,706	04/14/1981	Blanding et al.	
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A142	US-	5,651,925	07/29/1997	Ashley et al.	
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	A170	US- 6,521,004	02/18/2003	Culler et al.	
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	B1	AT	333146 ✓	10/11/1976			X
	B2	DD	134 638 A ✓	03/14/1979			X
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	B4	EP	0 200 487 ✓	11/05/1986			
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	B15	EP	0 709 347 ✓	05/01/1996			
	B16	EP	0 722 919 A1 ✓	07/24/1996			
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	B18	FR	2 609 708 ✓	07/22/1988			X
	B19	GB	1 121 875 ✓	07/31/1968			
	B20	GB	1 260 933 A ✓	01/19/1972			
	B21	JP	200045128A ✓	02/15/2000			X Machine
	B22	JP	200045129A ✓	02/15/2000			X Machine
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	B24	JP	59 22 7726A ✓	12/21/1984			X Machine

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	First Named Inventor	Rosenflanz, Anatoly Z.
	Art Unit	1755
	Examiner Name	
	Attorney Case Number	58716US002

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
	B25	JP	2001294480 ✓	10/23/2001			X Machine
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	B27	Hei	4-119941 ✓	04/21/1992			X
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	B31	WO	97/16385 ✓	05/09/1997			
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	C3	Brockway et al. "Rapid Solidification of Ceramics a Technology Assessment", <u>Metals and Ceramics Information Center</u> , MCIC Report, January 1984 MCIC 84-49

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	C4	Chen, Zan-Hwey et al., "Microstructures of laser-treated Al <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> -CeO <sub>2</sub> composites," <u>Materials Science &amp; Engineering A (Structural Materials: Properties, Microstructure and Processing)</u> , 1995, Vol. A196, No. 1-2, pp. 253-260.
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	C12	Figs. 311, 346, 350, 354-56, 373, and 716, <u>Phase Diagrams For Ceramists</u> , The American Ceramic Society, 1964, pp. 122, 136, 138, 140, 144, 248.
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	C26	Kokubo, Tadashi et al., "Infrared Transmission of (R <sub>2</sub> O or R'O)-(TiO <sub>2</sub> , Nb <sub>2</sub> O <sub>5</sub> or Ta <sub>2</sub> O <sub>5</sub> )-Al <sub>2</sub> O <sub>3</sub> Glasses", <u>Journal of Non-Crystalline Solids</u> 22 (1970) 125-134
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	C69	U.S. Patent Application entitled "Fused Al <sub>2</sub> O <sub>3</sub> -Y <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> Eutectic Abrasive Particles, Abrasive Articles, And Methods Of Making And Using The Same", filed July 19, 2000, Rosenflanz having U.S. Serial No. 09/618,876 (Attorney Docket No. 55763US002). ✓
	C70	U.S. Patent Application entitled, "Method of Making Ceramic Articles", filed August 2, 2002, Rosenflanz having U.S. Serial No. 10/211,481 (Attorney Docket No. 56938US004). ✓
	C71	U.S. Patent Application entitled "Methods of Making Ceramic Particles," filed February 5, 2003, Rosenflanz, having a U.S. Serial No. 10/358772 (Attorney Docket No. 58257US002) ✓
	C72	U.S. Patent Application entitled "Methods of Making Ceramics", filed February 5, 2003, Anderson et al., having a U.S. Serial No. 10/358765 (Attorney Docket No. 58258US002) ✓
	C73	U.S. Patent Application entitled "Ceramics and Methods of Making the Same", filed February 5, 2003, Celikkaya et al., having a U.S. Serial No. 10/358910 (Attorney Docket No. 58325US002) ✓
	C74	U.S. Patent Application entitled "Al <sub>2</sub> O <sub>3</sub> -La <sub>2</sub> O <sub>3</sub> -Y <sub>2</sub> O <sub>3</sub> -MgO Ceramics, and Methods of Making the Same", filed February 5, 2003, Celikkaya et al., having a U.S. Serial No. 10/358855 (Attorney Docket No. 58352US002) ✓
	C75	U.S. Application entitled "Use of Ceramics In Dental And Orthodontic Applications", filed February 5, 2003, having U.S. Serial No. 10/358,856 (Attorney Docket No. 58350US002) ✓
	C76	U.S. Patent Application entitled "Methods of Making Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> Ceramics", filed February 5, 2003, Celikkaya et al. having a U.S. Serial No. 10/358,708 (Attorney Docket No. 58353US002 ) ✓
	C77	U.S. Application entitled "Use of Glasses Containing Rare Earth Oxide, Alumina, and Zirconia And Dopant In Optical Waveguides", filed April 28, 2003, having U.S. Serial No. 10/425,039 (Attorney Docket No. 58435US002) ✓
	C78	U.S. Application entitled " Methods of Making Ceramic Particles", filed September 5, 2003, having U.S. Serial No. 10/655729 (Attorney Docket No. 58790US002) ✓
	C79	U.S. Application entitled "Methods of Making Ceramics Comprising Al <sub>2</sub> O <sub>3</sub> , REO, ZrO <sub>2</sub> and/or HfO <sub>2</sub> and Nb <sub>2</sub> O <sub>5</sub> and/or Ta <sub>2</sub> O <sub>5</sub> ", filed September 18, 2003, having U.S. Serial No. 10/666615 (Attorney Docket No. 58354US002) ✓
	C80	U.S. Application entitled "Ceramics Comprising Al <sub>2</sub> O <sub>3</sub> , REO, ZrO <sub>2</sub> and/or HfO <sub>2</sub> , and Nb <sub>2</sub> O <sub>5</sub> and/or Ta <sub>2</sub> O <sub>5</sub> , and Methods of Making The Same", filed September 18, 2003, having U.S. Serial No. 10/666212 (Attorney Docket No. 58807US002) ✓
	C81	U.S. Application entitled "Ceramics Comprising Al <sub>2</sub> O <sub>3</sub> , Y <sub>2</sub> O <sub>3</sub> , ZrO <sub>2</sub> and/or HfO <sub>2</sub> , and Nb <sub>2</sub> O <sub>5</sub> and/or Ta <sub>2</sub> O <sub>5</sub> , and Methods of Making The Same", filed September 18, 2003, having U.S. Serial No. 10/666,098 (Attorney Docket No. 58961US002) ✓
	C82	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/739420 (Attorney Docket No. 58794US002) ✓
	C83	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/739624 (Attorney Docket No. 58796US002) ✓

<b>*Examiner:</b>	<b>Date Considered:</b>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute for form 1449A/PTO (modified)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 15 of 15	<b>Application Number</b>	<b>10/740262</b>
	<b>Filing Date</b>	<b>December 18, 2003</b>
	<b>First Named Inventor</b>	<b>Rosenflanz, Anatoly Z.</b>
	<b>Art Unit</b>	<b>1755</b>
	<b>Examiner Name</b>	
	<b>Attorney Case Number</b>	<b>58716US002</b>

<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>		
<b>Exam. Init.*</b>	<b>Cite No.</b>	<b>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published</b>
	C84	U.S. Application entitled "Transparent Fused Crystalline Ceramics, And Method of Making The Same", filed December 18, 2003, having U.S. Serial No. 10/739439 (Attorney Docket No. 58797US002) ✓
	C85	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/739440 (Attorney Docket No. 59437US002)
	C86	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/740096 (Attorney Docket No. 59438US002)
	C87	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/73944 (Attorney Docket No. 59439US002)
	C88	U.S. Application entitled "Powder Feeding Method and Apparatus", filed December 18, 2003, having U. S. Serial No. 10/739233 (Attorney Docket No. 59440US002)
	C89	U.S. Application entitled "Agglomerate Abrasive Grain and a Method of Making the Same", filed February 11, 2004, having U.S. Serial No. 10/776156 (Attorney Docket No. 55304US016)

<b>*Examiner:</b>	<b>Date Considered:</b>
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